

ABSTRACT OF THE DISCLOSURE

A kickdown mechanism (12) to provide a kickdown feel to an operator of a pedal assembly (10) is provided. The kickdown mechanism (12) includes a housing (24) that defines a chamber. A plunger (38) is slidable within the chamber (30) along an operational axis (A) while being biased by a spring (44). Detent members (54, 56) contact bearing surfaces (40, 42) of the plunger (38). The detent members (54, 56) are movable between an initial position and a plurality of active positions against the bias of the spring (44) while maintaining contact with the bearing surfaces (40, 42). An actuator (66) engages the detent members (54, 56) and moves the detent members (54, 56) from the initial position to the plurality of active positions when engaged by the pedal arm (16). The bearing surfaces (40, 42) act as a wedge to urge the detent members (54, 56) back to the initial position when the pedal arm (16) is disengaged from the actuator (66).